

Commonwealth of Kentucky
Energy and Environment Cabinet
Department for Environmental Protection

DIVISION FOR AIR QUALITY

DEP7007K

SURFACE COATING (OR)
PRINTING OPERATION

SECTION I GENERAL

- 1) Emission Point #: _____ Proposed/Actual Start of Construction: _____
- 2) Check Pollutants Emitted:
- | | | | |
|--|--|--|----------------------------------|
| A. <input type="checkbox"/> CO | B. <input type="checkbox"/> NO _x | C. <input type="checkbox"/> SO ₂ | D. <input type="checkbox"/> VOCs |
| E. <input type="checkbox"/> PM or PM ₁₀ | If E is checked <input type="checkbox"/> Condensable Organic | <input type="checkbox"/> Non-Volatile | |
| F. <input type="checkbox"/> HAPs | If F is checked <input type="checkbox"/> Volatile | <input type="checkbox"/> Non-Volatile | |
| G. <input type="checkbox"/> Lead | H. <input type="checkbox"/> Fluoride | I. <input type="checkbox"/> Other Potentially Hazardous Pollutants (specify) _____ | |

- 3) **Description of the Emission Point:**
Briefly describe the emission point and the key components (machinery), including the number of applicators:
- _____
- _____
- Describe raw material into the process (including the surface coated): _____
- _____
- Describe the resulting product from the unit: _____
- _____

- 4) **ATTACH A PROCESS FLOW DIAGRAM.** Show entry and exit points of all materials and finished products. Label all materials including airborne contaminants and other waste materials, all process equipment, control equipment and stacks/vents.

- 5) Check the category that most closely describes this unit:
- | | |
|--|--|
| A. <input type="checkbox"/> Auto or Light-duty Truck Coating | B. <input type="checkbox"/> Metal Furniture Coating |
| C. <input type="checkbox"/> Large Appliance Coating | D. <input type="checkbox"/> Metal Coil Coating |
| E. <input type="checkbox"/> Beverage Can Coating | F. <input type="checkbox"/> Magnet Wire Insulation Coating |
| G. <input type="checkbox"/> Miscellaneous Metal Parts Coating | H. <input type="checkbox"/> Flat Wood Panel Coating |
| I. <input type="checkbox"/> Coating of Plastic Parts for Business Machines | |
| J. <input type="checkbox"/> Fabric, Vinyl, or Paper Coating | |
- This category also includes:*
- | |
|---|
| 1. <i>Magnet Tape Coating</i> |
| 2. <i>Pressure Sensitive Tape & Label Coating</i> |
- K. ☐ Graphic Arts Using rotogravure & Flexographic Printing
- This category also includes:*
- | |
|--|
| 1. <i>Flexible Vinyl and Urethane Coating & Printing</i> |
|--|
- L. ☐ Publication Rotogravure Printing
- X. ☐ Other (specify) _____

Note: Refer to the specific regulations in Chapters 59, 60, 61, and 63 of Title 401 of Kentucky Administrative Regulations for detailed descriptions of these categories and possible regulation applicability.

- 6) **Type and amount of cleanup solvent(s) used at the emission point and as a direct result of the emission point's operation:**
(attach a MSDS with chemical compositions):

Type: _____ Maximum Usage: _____ gal/day

Commonwealth of Kentucky
Natural Resources & Environmental Protection Cabinet
Department for Environmental Protection

DIVISION FOR AIR QUALITY

DEP7007K

Continued

SURFACE COATING (OR)
PRINTING OPERATION

SECTION II APPLICATOR DATA

Complete the following for each applicator. Make additional copies of this section as required. If multiple applicators are essentially identical, the data may be combined on one copy by identifying multiple applicators in the field provided

7) **Identity:**
Emission Point #: _____ Applicator #: _____ Function of the Applicator: _____

8) **Type of Applicator** (Check the appropriate type):

A. ☐ Spray: ☐ Air Gun ☐ Airless ☐ Electrostatic ☐ Other Spray (specify) _____

B. ☐ Electrodeposition: Tank Dimensions _____ ft. long X _____ ft. wide X _____ ft. high

Capacity _____ gallons

C. ☐ Dip Tank D. ☐ Flow Coating

E. ☐ Roll Coating: ☐ Rotogravure ☐ Flexography ☐ Other (specify) _____

F. ☐ Brush

G. ☐ Other (describe) _____

9) If the construction date for the applicator is different than the construction date for the emission point, identify the construction start date for the applicator. _____

10) **Mode of Surface Coating:**

A. ☐ Continuous ☐ Batch ☐ Other (specify) _____

B. ☐ Manual ☐ Automatic

11) **Temperature of Coating Material as Applied:**

_____ °F If the coated product goes to an oven, temperature of the oven _____ °F

12) **Maximum Coating Application Rate:** *Do not consider bottlenecks when answering. Other throughput limits can be identified in Item 13.*

Applicator capacity _____ (gal or lbs/hr)

Describe how the applicator capacity was determined. _____

13) **Process Limitations:**

Describe any limitations that make operation at the maximum capacity of the applicator or 8760 hours of operation impossible.

14) **Release into Ambient Air:**

Identify the stack or vent that the emissions enter the ambient air through: _____

Identify any control device (filter, incinerator, etc.) that is used to lower emissions from the applicator. _____

Describe stacks, vents, and control devices on form DEP7007N, Emissions, Stacks, and Controls Information.

Commonwealth of Kentucky
Natural Resources & Environmental Protection Cabinet
Department for Environmental Protection

DIVISION FOR AIR QUALITY

DEP7007K

Continued

SURFACE COATING (OR)
PRINTING OPERATION

SECTION III COATINGS APPLIED

Identify the coatings that will result in the highest emission rate of each pollutant released at each applicator. Make additional copies of this section if more space is needed. Provide all MSDSs or Technical Sheets that identify the pollutant content in the coating.

15) **COATINGS** as applied:

Emission Point #: _____

Applicator #: _____

Reference for the coating employed: _____

Of all the coatings applied by this applicator, this coating will produce the highest emission rate of _____

Manufacturer's I.D. of all components in the coating (if the coating is applied as received from the manufacturer, only one I.D. should be provided): _____

If the coating is a mixture, identify the ratio of the components: _____

As applied:

Density: _____ lbs/gal

Highest emission rate pollutant content: _____ lbs/gal or % (by weight)

Other relevant coating information for this coating should be provided on a separate page as appropriate.

Emission Point #: _____

Applicator #: _____

Reference for the coating employed: _____

Of all the coatings applied by this applicator, this coating will produce the highest emission rate of _____

Manufacturer's I.D. of all components in the coating (if the coating is applied as received from the manufacturer, only one I.D. should be provided): _____

If the coating is a mixture, identify the ratio of the components: _____

As applied:

Density: _____ lbs/gal

Highest emission rate pollutant content: _____ lbs/gal or % (by weight)

Other relevant coating information for this coating should be provided on a separate page as appropriate.

Emission Point #: _____

Applicator #: _____

Reference for the coating employed: _____

Of all the coatings applied by this applicator, this coating will produce the highest emission rate of _____

Manufacturer's I.D. of all components in the coating (if the coating is applied as received from the manufacturer, only one I.D. should be provided): _____

If the coating is a mixture, identify the ratio of the components: _____

As applied:

Density: _____ lbs/gal

Highest emission rate pollutant content: _____ lbs/gal or % (by weight)

Other relevant coating information for this coating should be provided on a separate page as appropriate.